# Data sheets - Siemens SIMOTICS GP motors

0.25 kW / 1500 rpm - 16 article numbers in this file


| Article No. | Page |
|---|---|
| 1LA7070-4AB10 | 2 |
| 1LA7070-4AB11 | 3 |
| 1LA7070-4AB12 | 4 |
| 1LE1002-0CB22-2AA4 | 5 |
| 1LE1002-0CB22-2FA4 | 6 |
| 1LE1002-0CB22-2KA4 | 7 |
| 1LE1002-0BB62-2AA4 | 8 |
| 1LE1002-0BB62-2FA4 | 9 |
| 1LE1002-0BB62-2KA4 | 10 |
| 1LE1001-0CB22-2AA4 | 11 |
| 1LE1001-0CB22-2FA4 | 12 |
| 1LE1001-0CB22-2KA4 | 13 |
| 1LE1501-0CB22-2AA4 | 14 |
| 1LE1501-0CB22-2FA4 | 15 |
| 1LE1503-0CB22-2AA4 | 16 |
| 1LE1503-0CB22-2FA4 | 17 |



محور نیرو

Tel: 0935 186 4634

info@mehvarniro.com | mehvarniro.com

# Data sheet

SIMOTICS GP low-voltage motor - aluminum series 1LA7

**1LA7070-4AB10**

# 0.25 kW / 1500 rpm

Frame size 071 M | Article No. 1LA7070-4AB10 | mounting IM B3

## GENERAL DATA

| | |
|---|---|
| Motor series | **1LA7 (aluminum)** |
| Article No. | **1LA7070-4AB10** |
| Frame size | **071 M** |
| Number of poles | **4** |
| Housing material | **Aluminum** |
| Degree of protection | **IP55** |
| Cooling | **Self-ventilated (IC 411)** |
| Insulation / utilization | **Thermal class 155 (F) / utilized to 130 (B)** |
| Duty type | **S1 (continuous duty)** |
| Rotor | **Squirrel-cage** |
| Efficiency class (IEC 60034-30) | **not classified (below IE1 range)** |
| Voltage / connection | **230 V Δ / 400 V Y (50 Hz), 460 V Y (60 Hz)** |
| Type of construction | **IM B3 (also B6, B7, B8, V5, V6)** |
| Net weight (IM B3) | **4.8 kg** |

## ELECTRICAL DATA - 400 V, 50 HZ

| | |
|---|---|
| Rated power, 50 Hz | **0.25 kW (0.34 HP)** |
| Rated speed, 50 Hz | **1350 rpm (synchronous 1500 rpm)** |
| Rated torque | **1.8 Nm** |
| Rated current at 400 V | **0.75 A** |
| No-load current | **0.72 A** |
| Power factor cos φ | **0.78** |
| Efficiency at 4/4 \| 3/4 \| 2/4 load | **61.9 \| 60.4 \| 55.9 %** |
| Locked-rotor current ratio (I_LR/I_N) | **3** |
| Locked-rotor torque ratio (T_LR/T_N) | **1.9** |
| Breakdown torque ratio (T_B/T_N) | **1.9** |
| Moment of inertia J | **0.00052 kgm²** |
| Torque class | **13** |

## 60 HZ OPERATION

| | |
|---|---|
| Rated power at 60 Hz (460 V) | **0.29 kW** |
| Synchronous speed at 60 Hz | **1800 rpm** |
| Speed / efficiency / current at 60 Hz | **not listed in the catalog (DT Configurator)** |

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Source: Siemens Distribution brochure (07/2014), Chapter 2, p. 18. Dimensions: see the same catalog.
Compiled from the manufacturer's catalog data for reference. It is not an official Siemens document - verify against the current Siemens data sheet before ordering.
Data at rated power, 400 V / 50 Hz, ambient 40 °C, altitude up to 1000 m.

# Data sheet

1LA7070-4AB11

SIMOTICS GP low-voltage motor - aluminum series 1LA7

# 0.25 kW / 1500 rpm

Frame size 071 M | Article No. 1LA7070-4AB11 | mounting IM B5

## GENERAL DATA

| | |
|---|---|
| Motor series | **1LA7 (aluminum)** |
| Article No. | **1LA7070-4AB11** |
| Frame size | **071 M** |
| Number of poles | **4** |
| Housing material | **Aluminum** |
| Degree of protection | **IP55** |
| Cooling | **Self-ventilated (IC 411)** |
| Insulation / utilization | **Thermal class 155 (F) / utilized to 130 (B)** |
| Duty type | **S1 (continuous duty)** |
| Rotor | **Squirrel-cage** |
| Efficiency class (IEC 60034-30) | **not classified (below IE1 range)** |
| Voltage / connection | **230 V Δ / 400 V Y (50 Hz), 460 V Y (60 Hz)** |
| Type of construction | **IM B5 (also V1, V3)** |
| Net weight (IM B3) | **4.8 kg** |

## ELECTRICAL DATA - 400 V, 50 HZ

| | |
|---|---|
| Rated power, 50 Hz | **0.25 kW (0.34 HP)** |
| Rated speed, 50 Hz | **1350 rpm (synchronous 1500 rpm)** |
| Rated torque | **1.8 Nm** |
| Rated current at 400 V | **0.75 A** |
| No-load current | **0.72 A** |
| Power factor cos φ | **0.78** |
| Efficiency at 4/4 \| 3/4 \| 2/4 load | **61.9 \| 60.4 \| 55.9 %** |
| Locked-rotor current ratio (I_LR/I_N) | **3** |
| Locked-rotor torque ratio (T_LR/T_N) | **1.9** |
| Breakdown torque ratio (T_B/T_N) | **1.9** |
| Moment of inertia J | **0.00052 kgm²** |
| Torque class | **13** |

## 60 HZ OPERATION

| | |
|---|---|
| Rated power at 60 Hz (460 V) | **0.29 kW** |
| Synchronous speed at 60 Hz | **1800 rpm** |
| Speed / efficiency / current at 60 Hz | **not listed in the catalog (DT Configurator)** |

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Source: Siemens Distribution brochure (07/2014), Chapter 2, p. 18. Dimensions: see the same catalog.
Compiled from the manufacturer's catalog data for reference. It is not an official Siemens document - verify against the current Siemens data sheet before ordering.
Data at rated power, 400 V / 50 Hz, ambient 40 °C, altitude up to 1000 m.

# Data sheet

SIMOTICS GP low-voltage motor - aluminum series 1LA7

**1LA7070-4AB12**

# 0.25 kW / 1500 rpm

Frame size 071 M | Article No. 1LA7070-4AB12 | mounting IM B14

## GENERAL DATA

| | |
|---|---|
| Motor series | **1LA7 (aluminum)** |
| Article No. | **1LA7070-4AB12** |
| Frame size | **071 M** |
| Number of poles | **4** |
| Housing material | **Aluminum** |
| Degree of protection | **IP55** |
| Cooling | **Self-ventilated (IC 411)** |
| Insulation / utilization | **Thermal class 155 (F) / utilized to 130 (B)** |
| Duty type | **S1 (continuous duty)** |
| Rotor | **Squirrel-cage** |
| Efficiency class (IEC 60034-30) | **not classified (below IE1 range)** |
| Voltage / connection | **230 V Δ / 400 V Y (50 Hz), 460 V Y (60 Hz)** |
| Type of construction | **IM B14 (also V18, V19)** |
| Net weight (IM B3) | **4.8 kg** |

## ELECTRICAL DATA - 400 V, 50 HZ

| | |
|---|---|
| Rated power, 50 Hz | **0.25 kW (0.34 HP)** |
| Rated speed, 50 Hz | **1350 rpm (synchronous 1500 rpm)** |
| Rated torque | **1.8 Nm** |
| Rated current at 400 V | **0.75 A** |
| No-load current | **0.72 A** |
| Power factor cos φ | **0.78** |
| Efficiency at 4/4 \| 3/4 \| 2/4 load | **61.9 \| 60.4 \| 55.9 %** |
| Locked-rotor current ratio (I_LR/I_N) | **3** |
| Locked-rotor torque ratio (T_LR/T_N) | **1.9** |
| Breakdown torque ratio (T_B/T_N) | **1.9** |
| Moment of inertia J | **0.00052 kgm²** |
| Torque class | **13** |

## 60 HZ OPERATION

| | |
|---|---|
| Rated power at 60 Hz (460 V) | **0.29 kW** |
| Synchronous speed at 60 Hz | **1800 rpm** |
| Speed / efficiency / current at 60 Hz | **not listed in the catalog (DT Configurator)** |

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Source: Siemens Distribution brochure (07/2014), Chapter 2, p. 18. Dimensions: see the same catalog.
Compiled from the manufacturer's catalog data for reference. It is not an official Siemens document - verify against the current Siemens data sheet before ordering.
Data at rated power, 400 V / 50 Hz, ambient 40 °C, altitude up to 1000 m.

# Data sheet

SIMOTICS GP low-voltage motor - series 1LE1002 (IE1)

**1LE1002-0CB22-2AA4**

# 0.25 kW / 1500 rpm

Frame 71 M | 4 poles | IM B3 | Article No. 1LE1002-0CB22-2AA4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE1002 / IE1** |
| Housing | **Aluminum** |
| Frame size | **71 M** |
| Poles | **4** |
| Degree of protection | **IP55** |
| Duty type | **S1** |
| Insulation | **Thermal class 155 (F), utilized to 130 (B)** |
| Voltage | **230 D / 400 Y V (50 Hz)** |
| Net weight (IM B3) | **5 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **0.25 kW (about 0.34 HP)** |
| Rated power 60 Hz | **0.29 kW** |
| Rated speed (50 Hz) | **1365 rpm** |
| Rated torque | **1.8 Nm** |
| Rated current | **0.8 A** |
| Power factor | **0.73** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **61.5 \| 61.4 \| 56.1 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **3 \| 1.8 \| 2** |
| Moment of inertia J | **0.00052 kgm2** |
| Sound pressure / power LpfA \| LWA | **54 \| 65 dB(A)** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Catalog D 81.1 (05/2018), table 1LE1002, p. 2/45 (PDF 163)** |

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

# Data sheet

SIMOTICS GP low-voltage motor - series 1LE1002 (IE1)

**1LE1002-0CB22-2FA4**

# 0.25 kW / 1500 rpm

Frame 71 M | 4 poles | IM B5 | Article No. 1LE1002-0CB22-2FA4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE1002 / IE1** |
| Housing | **Aluminum** |
| Frame size | **71 M** |
| Poles | **4** |
| Degree of protection | **IP55** |
| Duty type | **S1** |
| Insulation | **Thermal class 155 (F), utilized to 130 (B)** |
| Voltage | **230 D / 400 Y V (50 Hz)** |
| Net weight (IM B3) | **5 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **0.25 kW (about 0.34 HP)** |
| Rated power 60 Hz | **0.29 kW** |
| Rated speed (50 Hz) | **1365 rpm** |
| Rated torque | **1.8 Nm** |
| Rated current | **0.8 A** |
| Power factor | **0.73** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **61.5 \| 61.4 \| 56.1 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **3 \| 1.8 \| 2** |
| Moment of inertia J | **0.00052 kgm2** |
| Sound pressure / power LpfA \| LWA | **54 \| 65 dB(A)** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Catalog D 81.1 (05/2018), table 1LE1002, p. 2/45 (PDF 163)** |

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

# Data sheet

SIMOTICS GP low-voltage motor - series 1LE1002 (IE1)

**1LE1002-0CB22-2KA4**

# 0.25 kW / 1500 rpm

Frame 71 M | 4 poles | IM B14 | Article No. 1LE1002-0CB22-2KA4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE1002 / IE1** |
| Housing | **Aluminum** |
| Frame size | **71 M** |
| Poles | **4** |
| Degree of protection | **IP55** |
| Duty type | **S1** |
| Insulation | **Thermal class 155 (F), utilized to 130 (B)** |
| Voltage | **230 D / 400 Y V (50 Hz)** |
| Net weight (IM B3) | **5 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **0.25 kW (about 0.34 HP)** |
| Rated power 60 Hz | **0.29 kW** |
| Rated speed (50 Hz) | **1365 rpm** |
| Rated torque | **1.8 Nm** |
| Rated current | **0.8 A** |
| Power factor | **0.73** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **61.5 \| 61.4 \| 56.1 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **3 \| 1.8 \| 2** |
| Moment of inertia J | **0.00052 kgm2** |
| Sound pressure / power LpfA \| LWA | **54 \| 65 dB(A)** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Catalog D 81.1 (05/2018), table 1LE1002, p. 2/45 (PDF 163)** |

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

# 0.25 kW / 1500 rpm

Frame 63 M | 4 poles | IM B3 | Article No. 1LE1002-0BB62-2AA4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE1002 / IE1** |
| Housing | **Aluminum** |
| Frame size | **63 M** |
| Poles | **4** |
| Degree of protection | **IP55** |
| Duty type | **S1** |
| Insulation | **Thermal class 155 (F), utilized to 130 (B)** |
| Voltage | **230 D / 400 Y V (50 Hz)** |
| Net weight (IM B3) | **5 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **0.25 kW (about 0.34 HP)** |
| Rated power 60 Hz | **0.29 kW** |
| Rated speed (50 Hz) | **1365 rpm** |
| Rated torque | **1.75 Nm** |
| Rated current (400 V) | **0.86 A** |
| Power factor | **0.68** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **61.5 \| 59.6 \| 53.5 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **2.9 \| 2.3 \| 2.3** |
| Moment of inertia J | **0.00045 kgm2** |
| Sound pressure / power LpfA \| LWA | **52 \| 59 dB(A)** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Catalog D 81.1 (12/2021), table 1LE1002, p. 3/53** |

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

# 0.25 kW / 1500 rpm

Frame 63 M | 4 poles | IM B5 | Article No. 1LE1002-0BB62-2FA4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE1002 / IE1** |
| Housing | **Aluminum** |
| Frame size | **63 M** |
| Poles | **4** |
| Degree of protection | **IP55** |
| Duty type | **S1** |
| Insulation | **Thermal class 155 (F), utilized to 130 (B)** |
| Voltage | **230 D / 400 Y V (50 Hz)** |
| Net weight (IM B3) | **5 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **0.25 kW (about 0.34 HP)** |
| Rated power 60 Hz | **0.29 kW** |
| Rated speed (50 Hz) | **1365 rpm** |
| Rated torque | **1.75 Nm** |
| Rated current (400 V) | **0.86 A** |
| Power factor | **0.68** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **61.5 \| 59.6 \| 53.5 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **2.9 \| 2.3 \| 2.3** |
| Moment of inertia J | **0.00045 kgm2** |
| Sound pressure / power LpfA \| LWA | **52 \| 59 dB(A)** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Catalog D 81.1 (12/2021), table 1LE1002, p. 3/53** |

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

# 0.25 kW / 1500 rpm

Frame 63 M | 4 poles | IM B14 | Article No. 1LE1002-0BB62-2KA4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE1002 / IE1** |
| Housing | **Aluminum** |
| Frame size | **63 M** |
| Poles | **4** |
| Degree of protection | **IP55** |
| Duty type | **S1** |
| Insulation | **Thermal class 155 (F), utilized to 130 (B)** |
| Voltage | **230 D / 400 Y V (50 Hz)** |
| Net weight (IM B3) | **5 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **0.25 kW (about 0.34 HP)** |
| Rated power 60 Hz | **0.29 kW** |
| Rated speed (50 Hz) | **1365 rpm** |
| Rated torque | **1.75 Nm** |
| Rated current (400 V) | **0.86 A** |
| Power factor | **0.68** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **61.5 \| 59.6 \| 53.5 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **2.9 \| 2.3 \| 2.3** |
| Moment of inertia J | **0.00045 kgm2** |
| Sound pressure / power LpfA \| LWA | **52 \| 59 dB(A)** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Catalog D 81.1 (12/2021), table 1LE1002, p. 3/53** |

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

# Data sheet

SIMOTICS GP low-voltage motor - series 1LE1001 (IE2)

**1LE1001-0CB22-2AA4**

# 0.25 kW / 1500 rpm

Frame 71 M | 4 poles | IM B3 | Article No. 1LE1001-0CB22-2AA4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE1001 / IE2** |
| Housing | **Aluminum** |
| Frame size | **71 M** |
| Poles | **4** |
| Degree of protection | **IP55** |
| Duty type | **S1** |
| Insulation | **Thermal class 155 (F), utilized to 130 (B)** |
| Voltage | **230 D / 400 Y V (50 Hz)** |
| Net weight (IM B3) | **6 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **0.25 kW (about 0.34 HP)** |
| Rated power 60 Hz | **0.29 kW** |
| Rated speed (50 Hz) | **1395 rpm** |
| Rated torque | **1.7 Nm** |
| Rated current | **0.76 A** |
| Power factor | **0.69** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **68.5 \| 68.4 \| 64.2 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **3.7 \| 2.4 \| 2.5** |
| Moment of inertia J | **0.00076 kgm2** |
| Sound pressure / power LpfA \| LWA | **50 \| 61 dB(A)** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Catalog D 81.1 (05/2018), table 1LE1001, p. 2/27 (PDF 145)** |

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

# Data sheet

SIMOTICS GP low-voltage motor - series 1LE1001 (IE2)

**1LE1001-0CB22-2FA4**

# 0.25 kW / 1500 rpm

Frame 71 M | 4 poles | IM B5 | Article No. 1LE1001-0CB22-2FA4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE1001 / IE2** |
| Housing | **Aluminum** |
| Frame size | **71 M** |
| Poles | **4** |
| Degree of protection | **IP55** |
| Duty type | **S1** |
| Insulation | **Thermal class 155 (F), utilized to 130 (B)** |
| Voltage | **230 D / 400 Y V (50 Hz)** |
| Net weight (IM B3) | **6 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **0.25 kW (about 0.34 HP)** |
| Rated power 60 Hz | **0.29 kW** |
| Rated speed (50 Hz) | **1395 rpm** |
| Rated torque | **1.7 Nm** |
| Rated current | **0.76 A** |
| Power factor | **0.69** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **68.5 \| 68.4 \| 64.2 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **3.7 \| 2.4 \| 2.5** |
| Moment of inertia J | **0.00076 kgm2** |
| Sound pressure / power LpfA \| LWA | **50 \| 61 dB(A)** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Catalog D 81.1 (05/2018), table 1LE1001, p. 2/27 (PDF 145)** |

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

# Data sheet

SIMOTICS GP low-voltage motor - series 1LE1001 (IE2)

**1LE1001-0CB22-2KA4**

# 0.25 kW / 1500 rpm

Frame 71 M | 4 poles | IM B14 | Article No. 1LE1001-0CB22-2KA4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE1001 / IE2** |
| Housing | **Aluminum** |
| Frame size | **71 M** |
| Poles | **4** |
| Degree of protection | **IP55** |
| Duty type | **S1** |
| Insulation | **Thermal class 155 (F), utilized to 130 (B)** |
| Voltage | **230 D / 400 Y V (50 Hz)** |
| Net weight (IM B3) | **6 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **0.25 kW (about 0.34 HP)** |
| Rated power 60 Hz | **0.29 kW** |
| Rated speed (50 Hz) | **1395 rpm** |
| Rated torque | **1.7 Nm** |
| Rated current | **0.76 A** |
| Power factor | **0.69** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **68.5 \| 68.4 \| 64.2 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **3.7 \| 2.4 \| 2.5** |
| Moment of inertia J | **0.00076 kgm2** |
| Sound pressure / power LpfA \| LWA | **50 \| 61 dB(A)** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Catalog D 81.1 (05/2018), table 1LE1001, p. 2/27 (PDF 145)** |

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

# Data sheet

SIMOTICS GP low-voltage motor - series 1LE1501 (IE2)

**1LE1501-0CB22-2AA4**

# 0.25 kW / 1500 rpm

Frame 71 M | 4 poles | IM B3 | Article No. 1LE1501-0CB22-2AA4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE1501 / IE2** |
| Housing | **Cast iron** |
| Frame size | **71 M** |
| Poles | **4** |
| Degree of protection | **IP55** |
| Duty type | **S1** |
| Insulation | **Thermal class 155 (F), utilized to 130 (B)** |
| Voltage | **230 D / 400 Y V (50 Hz)** |
| Net weight (IM B3) | **12 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **0.25 kW (about 0.34 HP)** |
| Rated power 60 Hz | **0.29 kW** |
| Rated speed (50 Hz) | **1395 rpm** |
| Rated torque | **1.7 Nm** |
| Rated current | **0.76 A** |
| Power factor | **0.69** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **68.5 \| 68.4 \| 64.2 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **3.7 \| 2.4 \| 2.5** |
| Moment of inertia J | **0.00076 kgm2** |
| Sound pressure / power LpfA \| LWA | **50 \| 61 dB(A)** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Catalog D 81.1 (05/2018), table 1LE1501, p. 2/33 (PDF 151)** |

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

# Data sheet

SIMOTICS GP low-voltage motor - series 1LE1501 (IE2)

**1LE1501-0CB22-2FA4**

# 0.25 kW / 1500 rpm

Frame 71 M | 4 poles | IM B5 | Article No. 1LE1501-0CB22-2FA4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE1501 / IE2** |
| Housing | **Cast iron** |
| Frame size | **71 M** |
| Poles | **4** |
| Degree of protection | **IP55** |
| Duty type | **S1** |
| Insulation | **Thermal class 155 (F), utilized to 130 (B)** |
| Voltage | **230 D / 400 Y V (50 Hz)** |
| Net weight (IM B3) | **12 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **0.25 kW (about 0.34 HP)** |
| Rated power 60 Hz | **0.29 kW** |
| Rated speed (50 Hz) | **1395 rpm** |
| Rated torque | **1.7 Nm** |
| Rated current | **0.76 A** |
| Power factor | **0.69** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **68.5 \| 68.4 \| 64.2 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **3.7 \| 2.4 \| 2.5** |
| Moment of inertia J | **0.00076 kgm2** |
| Sound pressure / power LpfA \| LWA | **50 \| 61 dB(A)** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Catalog D 81.1 (05/2018), table 1LE1501, p. 2/33 (PDF 151)** |

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

# Data sheet

SIMOTICS GP low-voltage motor - series 1LE1503 (IE3)

**1LE1503-0CB22-2AA4**

# 0.25 kW / 1500 rpm

Frame 71 M | 4 poles | IM B3 | Article No. 1LE1503-0CB22-2AA4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE1503 / IE3** |
| Housing | **Cast iron** |
| Frame size | **71 M** |
| Poles | **4** |
| Degree of protection | **IP55** |
| Duty type | **S1** |
| Insulation | **Thermal class 155 (F), utilized to 130 (B)** |
| Voltage | **230 D / 400 Y V (50 Hz)** |
| Net weight (IM B3) | **13 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **0.25 kW (about 0.34 HP)** |
| Rated power 60 Hz | **0.29 kW** |
| Rated speed (50 Hz) | **1395 rpm** |
| Rated torque | **1.7 Nm** |
| Rated current | **0.68 A** |
| Power factor | **0.72** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **73.5 \| 73.7 \| 70.4 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **4.2 \| 2.5 \| 2.6** |
| Moment of inertia J | **0.00095 kgm2** |
| Sound pressure / power LpfA \| LWA | **44 \| 55 dB(A)** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Catalog D 81.1 (05/2018), table 1LE1503, p. 2/18 (PDF 136)** |

محور نیرو
Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

# Data sheet

SIMOTICS GP low-voltage motor - series 1LE1503 (IE3)

**1LE1503-0CB22-2FA4**

# 0.25 kW / 1500 rpm

Frame 71 M | 4 poles | IM B5 | Article No. 1LE1503-0CB22-2FA4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE1503 / IE3** |
| Housing | **Cast iron** |
| Frame size | **71 M** |
| Poles | **4** |
| Degree of protection | **IP55** |
| Duty type | **S1** |
| Insulation | **Thermal class 155 (F), utilized to 130 (B)** |
| Voltage | **230 D / 400 Y V (50 Hz)** |
| Net weight (IM B3) | **13 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **0.25 kW (about 0.34 HP)** |
| Rated power 60 Hz | **0.29 kW** |
| Rated speed (50 Hz) | **1395 rpm** |
| Rated torque | **1.7 Nm** |
| Rated current | **0.68 A** |
| Power factor | **0.72** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **73.5 \| 73.7 \| 70.4 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **4.2 \| 2.5 \| 2.6** |
| Moment of inertia J | **0.00095 kgm2** |
| Sound pressure / power LpfA \| LWA | **44 \| 55 dB(A)** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Catalog D 81.1 (05/2018), table 1LE1503, p. 2/18 (PDF 136)** |

محور نیرو
Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).